

ECMG

Date: September 5 ,2008

RE: ATCB

FCC ID: WKJ2008073101

ATCB006702

I have a few comments on this Application. Please **do not put confidential information** in your responses to these questions because the response letter will not be held confidential by the FCC. Depending on your answers there may be more questions.

1. Please explain the test results on page 32 of 37 in the test report. The equipment under test (EUT) outputs an RF signal to an analog TV on RF channels 3 and 4. The output level measurements should show video and audio frequencies for only these two channels not video and audio frequencies for channels 11, 29 and 77. To what port were you connected when you measured these levels? What mode of operation was being used? Please clarify as I fail to understand these results based on the submitted documentation in this application.

Answer : Sorry for my mistake, I have tested it again, Please kindly check the revised report.

2. ANSI C63.4 requires a TV Interface device to have input signals applied pursuant to Sections 12.2.1.1 through 12.2.1.4 (as appropriate) for both AC line conducted tests and radiated emission tests. I don't see a description of such a signal being applied in either the block diagram of the test setup or the test description. Please verify that the proper signal was applied or retest this device with the proper input signal per C63.4.

Answer : Sorry for my mistake, I have added test setup photo and description, Please kindly check the revised report.

3. Also both output channels (3 and 4) should be investigated and the worst case emissions only need to be provided for AC line conducted and radiated emissions testing. Were both output channels investigated for both AC line conducted and radiated emissions testing and what channel is represented by the worst case test data submitted?

Answer : Sorry for my mistake, I have tested it again, Please kindly check the revised report.

4. Please describe how you applied an RF high definition TV signal to the EUT using only a video signal generator (Sencor VP403) listed in the test equipment section for each test. Sencor equipment specs on the Internet only list this generator as a video generator.

Answer : Sorry for my mistake, I have corrected it, Please kindly check the revised report.

5. You appear to be using 75 ohms as the measurement impedance "R" specified in the FCC Rules to determine the limits listed throughout the test report. An HP spectrum analyzer uses 50 ohms as the input impedance so your limits should be calculated using 50 ohms instead. You also must use a matching network to match the 75 ohm output impedance of the EUT to the 50 ohm impedance of the measuring instrument and add any losses in the matching network to the measured result. I do not see any of these calculations. Please explain why.

Answer : Sorry for my mistake,I have corrected it again, Please kindly check the revised report.

6. Please provide top and bottom photos of the RF modulator with the shield removed to show the component location on the printed circuit board. None were provided in the submitted exhibits.

Answer : Sorry for my mistake,I have provided top and bottom photos again, Please kindly check the revised internal photos.

7. Please identify the detector function and resolution bandwidth of the measuring instrument during antenna conducted power measurements. I do not see this information in the submitted test report.

Answer : Sorry for my mistake,I have done some descriptions about mentioned above, Please kindly check the revised report.

8. In the AC line conducted test equipment list, please identify the artificial mains network (AMN) used for testing the EUT.

Answer : Sorry for my mistake,I have corrected it again, Please kindly check the revised report.

9. What is the bilog antenna shown in the AC line conducted test equipment list used for in the AC line conducted tests?

Answer : Sorry for my mistake,I have corrected it in test equipment list, Please kindly check the revised report.

Jawen Yin/Best Regards!

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